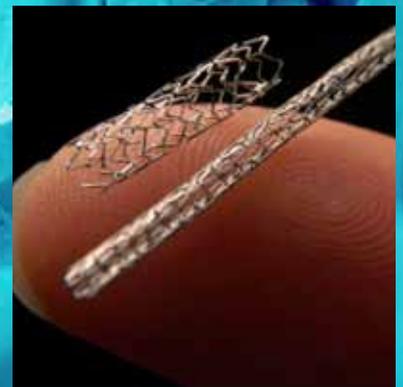


# Medical Device Surface Finishing Equipment

Anodizing  
Cleaning  
Electroplating  
Electropolishing  
Passivation  
Pickling



# Technic Medical Device Surface Finishing Equipment



Reel to reel Electropolishing System

Participation in today's medical device market requires industrial finishing with an unparalleled commitment to efficiency, precision and accuracy. Performance, function and cost control must work seamlessly to produce products that meet or exceed industry standards. Technic is proud to offer many effective solutions in process and equipment design to meet the challenges of the medical device manufacturing industry.

Effective surface finishing is an essential part of all medical device manufacturing. Whether the requirement is for research and development or advanced automated production, Technic designs and builds systems in an almost infinite array of sizes and configurations to efficiently manage all these surface finishing options.

Typical surface treatments for finishing of medical devices:

- **Anodizing** - to provide color coding, corrosion and wear resistance, enhanced adhesion and improved lubricity
- **Cleaning** - for the removal of oils and other organic soils
- **Electroplating** - to improved surface engineering and reduce biological contamination.
- **Electropolishing** - to relieve stress, smooth surfaces, deburr and sharpen
- **Passivation** - to improve product surfaces by removing extraneous alloy components
- **Pickling** - to remove metal oxides and stains



Technic Table Top Mini-Plant

Technic's Mini-Plants offer table top convenience, quick delivery and simplified installation. They are ideally suited for laboratory, developmental and low level production applications where the parts are small. The completely self-contained systems are offered in standard single and multiple process configurations. All Mini-Plants may be customized with a number of optional features.



Mini-Plant with storage unit and hood



Technic Chemical Bench for Electropolishing

Chemical Benches are valuable resources for developing methods and producing larger parts on a smaller scale. Compact, customized configurations make them ideal for many developing and midlevel production applications.

All of the process configurations available in Technic's manual systems are also available with full automation. Basic automation moves product from process to process. Advanced automation includes loading product in and out of the system.

Carrier based transport systems are used to automate, rack, barrel and basket applications. With a simple recipe selection and part identification by an operator, monitoring controls manage motion, track product and log processing information for historical records. The integration of real time analytical and process replenishment systems further assure the consistency and quality of the surface treatment.

The MP500 and 600 systems are ideally suited for cell processing, where finishing needs to be supported within the manufacturing cell. Parts may be processed individually, in baskets or in racks. The MP500 configurations readily accommodate simpler process sequences and short cycle times. The MP600 maximizes process flexibility and supports widely divergent process requirements.

MP300 systems adapt well to high production situations where part-to-part variation needs to be kept to a minimum and full automation is important.



MP500 Automated Radial Style processing



MP600 Enclosed hoist system with controls for multiple process support and data logging



Technic MP300 custom designed, fully automatic, continuous processing system

## World-wide Technic offices & facilities



### About Technic

Since its inception in 1943, Technic Inc. has remained a financially strong private corporation and has established a global reputation for technical excellence in the electro-deposition of precious metals. Following the expansion of our product lines through organic growth, strategic partnerships, and acquisitions, Technic has grown to be a global leader in:

- Specialty Chemicals
- Surface Finishing Equipment
- Engineered Powder and Flake
- Analytical Control Tools

Our primary end use markets include:

- Semiconductors
- Electronic Connectors
- Photovoltaic Cell Manufacturing
- Electronic Components
- Printed Circuit Boards
- Industrial Finishing
- Decorative Applications
- Medical

Technic currently operates over 20 global facilities in 14 countries within North America, Asia, and Europe. Our Advanced Engineered Solutions approach to customer projects allows Technic to add substantial and differentiated value to the markets and customers we serve. We look forward to helping you realize the maximum potential from your new product development goals.



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